

county.

Average DBH of canopy trees: No measures were made but most trees are less than 30 cm.

Maximum DBH of canopy trees: Perhaps some of the larger stands of red spruce approach 70 or 80 cm.

Fire regime: No evidence was obtained on the brief visit.

Logged: Within the past 50-70 years and some continues for homesites

Even-aged canopy: none noted from superficial inspection

Non-native or weedy spp.: Some noted along roadways and cleared areas.

Others:

Adjacent land use: Blue Ridge Parkway and motorized recreation along the south and west sides.

Significance of site: Regional (level 3).

Discussion: The large number of rare species, including one state threatened, one candidate species, 7 significantly rare, 3 of special concern, and one on the watch list is of major significance. The remnant Spruce-Fir Forest in the region is also of state significance.

Protection Considerations and Management Needs: Landowners need to know what types of activities are suitable for this area. Road building and extensive home construction with subsequent impacts on the ground water are especially important aspects of land use management.

Documentation:

Hadley, J. B. and A. E. Nelson. 1971. Geologic map of the Knoxville quadrangle, North Carolina, Tennessee, and South Carolina. US Department of Interior, Geological Survey, Washington, DC.

Sherrill, Michael L. 1994. Soil survey of Jackson County, North Carolina. US Dept. of Agriculture, Soil Conservation Service, Sylva, NC. 214 p. + appendices.

Smith, Alan B. 1993. Natural Areas Inventory for Haywood County, North Carolina. N. C. Natural Heritage Program, N. C. Department of Environment, Health, and Natural Resources, Raleigh, NC 27611-7687.

Simpson, Marcus B. Jr. 1992. Birds Blue Ridge Mountains. The University of North Carolina Press, Chapel Hill, NC.

Smith, Alan B. 1993. An Inventory of the Natural Areas of Haywood County, North Carolina. Fletcher, NC.

Survey boundaries: There may be good reason for combining this area with Waterrock Knob Natural Area. No evaluation of the extent of the forest nor the communities supporting the rare species was made during this study.

Priority for further survey: Area needs a botanical survey on the better stands and in certain portions.

Specimens collected: *Hydrothyria* specimen **Repository:** WCUH.

Photographs: A few 35 mm slides.

Repository: Pittillo collections.

Others knowledgeable about site: Marcus Simpson and probably several others.